

U.S. Patent Application Serial No. 10/524,417
Amendment filed November 21, 2008
Reply to OA dated June 26, 2008

AMENDMENTS TO THE CLAIMS:

Please cancel claim 7 without prejudice or disclaimer, and amend claims 1, 2, 4, 5 and 8, as follows. This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (Currently amended): A laminate ~~having~~ consisting essentially of a heat ray reflection type substrate having solar radiation reflecting properties and visible light reflectance of 10% or more, and a visible light absorbing film formed by a visible light absorbing ink having been coated on one side or both sides of ~~[[a]] said substrate, said substrate having solar radiation reflecting properties and visible light reflectance of 10% or more, said ink containing fine particles which absorb visible-region light and transmit near-infrared-region light and infrared-region light, the~~ laminate characterized in that:

the degree of reduction of visible light reflectance is 0.9 or less as defined by degree of reduction of visible light reflectance = [visible light reflectance (%) of the laminate after coating of the ink]/[visible light reflectance (%) of the substrate before coating of the ink]; and

the degree of reduction of solar radiation reflectance is 0.25 or more as defined by degree of reduction of solar radiation reflectance = [solar radiation reflectance (%) of the laminate after coating of the ink]/[solar radiation reflectance (%) of the substrate before coating of the ink]; and

said visible light absorbing ink contains at least one fine particles of a compound oxide selected from the group consisting of Cu-Fe-Mn, Cu-Cr, Cu-Cr-Mn, Cu-Cr-Mn-Ni, Cu-Cr-Fe and Co-Cr-Fe, titanium black, titanium nitride, titanium oxynitride, a dark-colored azo pigment, a perylene black pigment, an aniline black pigment and carbon black, said fine particles having an average dispersed-particle diameter of 300 nm or less in the ink.

Claim 2 (Currently amended): The laminate according to claim 1, wherein, as a haze value measured according to JIS K 7105, the laminate having the visible light absorbing film formed on one side or both sides of the heat ray reflection type substrate has a haze value which has been made lower than the haze value of the substrate before formation of the visible light absorbing film, or the laminate having the visible light absorbing film formed on one side or both sides of the heat ray reflection type substrate has a haze value which has been made higher than the haze value of the substrate before formation of the visible light absorbing film and its gain is +3% or less.

Claim 3 (Previously presented): The laminate according to claim 1, which has a value of 40 or less as chromaticness $c^* = [(a^*)^2 + (b^*)^2]^{1/2}$ in the $L^*a^*b^*$ color system.

Claim 4 (Currently amended): The laminate according to claim 1, wherein said heat ray reflection type substrate is any of ~~a film, a glass sheet and a transparent resin sheet~~, a film, a glass sheet and a transparent resin sheet on any of which a metallic thin film has been formed, and a

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composite member obtained by laminating the film, the glass sheet and the transparent resin sheet on any of which a metallic thin film has been formed, to a different film, glass sheet or transparent resin sheet.

Claim 5 (Currently amended): The laminate according to claim 1, wherein said heat ray reflection type substrate is a transparent film on the surface of which a metallic thin film of Al, Ag or Cu has been vacuum-deposited, or a composite member formed of the transparent film on the surface of which the metallic thin film has been vacuum-deposited and a glass sheet.

Claim 6 (Previously presented): A structural member having a visible light absorbing film, characterized in that the laminate according to claim 1, 2, 3, 4 or 5 is incorporated directly or via an intervenient member or via a space.

Claim 7 (Canceled).

Claim 8 (Currently amended): The ~~visible light absorbing ink~~ laminate according to claim ~~[[7]]~~ 1, ~~which is characterized by containing~~ wherein said visible light absorbing ink contains as a binder component at least one inorganic high polymer, organic high polymer or inorganic-organic composite high polymer.